328 3 Star LED Fiber Optic Star Ceiling Kit With Dimming Feature

A. Safety Instructions:

- 1. Make sure the Light Engine and Power Source have the same voltage
- 2. Keep out of rain or moist areas to avoid shock hazards.
- 3. Avoid use in high temperatures (< 40°C or < 104°F).
- 4. Keep Light Engine in ventilated area.



Power consumption: 12 Watts Twinkle Wheel (Installed)

(Optional) Color Wheel or Color Twinkle Wheel Colors:

White, Sky-Blue, Green, Yellow, Blue, Purple

Light Source: 5 Watts LEDs

Estimated Life of LEDs: 50000 hours

Fiber Quantity: 400 pcs at 0.75mm fiber per port

Size: L125 x W103 x H 80mm (L 4.92 in x 4.05 in x 3.15 in)

Net weight of Light Engine: 0.6 Kg (1.4 lbs)



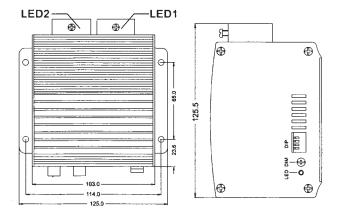
The installation dimension of the Light Engine. (See Fig. 1).

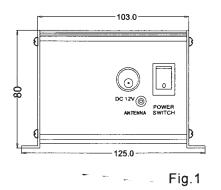


Fiber: 328 Strands of 240 .75mm, 80 1.0mm, 8 1.5mm Fiber Bundle 13 feet long.

Max. Quantity for Fiber Connection:

400 X 0.75mm fiber optic per port





D. Installation of Fiber Optic Cables.

- 1. Cut the fiber to the specified length.
- 2. Peel off 4-10 cm of protection over of the fiber optic. (If there is no protection cover or "jacket" then there is no need peel of any fiber optic cable.)

Note: Take caution not to damage the Fiber Optic Cable.

3. Collect all the fibers into one bundle. Then wrap all the fiber at 10cm from the fiber end with electrical tape. Insert the wrapped fiber optic cables into the light engine's connector and screw the waterproof connector tightly.

Cut the fiber optic smoothly along with light engine's connector with a hot knife (sold separately).

4. Insert the whole light engine connector into the fiber fixing set.

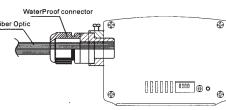


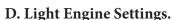
Fig.2

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5. Installation of the fiber Ends.

Drill holes on the panel or ceiling you wish to install the fiber optic cables.

Pull the fibers through the holes and use glue (we recommend using Elmer's All Multipurpose White Glue) to secure the fibers in place. For more tips on fiber installation visist our website and view our **Installation Videos** page.



Color change speed of this engine is controlled by the DIP switches. You can find the DIP switches on the rear of the panel. (See Fig. 1). Number 1-3 DIP switch address. Number 4-5 as blank and Number 6 as remote. Please see settings as follow.





Pro. No.	DIP SWITCH (1=ON, 0=OFF)						EFFECT
		5	4	3	2	1	220.
00	0	0	0	0	0	0	Motor stopped, LED working
01	0	0	0	0	0	1	W, PP, B, Y, G, Sky-B, fade (6RPM)
02	0	0	0	0	1	0	W, PP, B, Y, G, Sky-B, fade(4RPM)
03	0	0	0	0	1	1	W, PP, B, Y, G, Sky-B, fade (2.5RPM)
04	0	0	0	1	0	0	W, PP, B, Y, G, Sky-B, fade(2RPM)
05	0	0	0	1	0	1	W, PP, B, Y, G, Sky-B, fade (1.5RPM)
06	0	0	0	1	1	0	W, PP, B, Y, G, Sky-B, fade (1RPM)

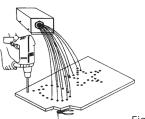
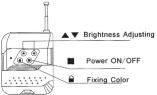


Fig. 3





Wireless Remote Controller

Manual Control For 6 Color Wheel:

- 1. Color Change speed. Use the dip switches to select from 6 different speed levels. For the slowest speed dip switches 2 & 3 should be on and the other switches off.
- 2. Color Selection. Turn dip switches 2 & 3 on and when the color wheel cycles to the color desired, turn all dip switches to off and that will stop the color wheel.

Remote Control Mode for 6 Color Wheel:

- 1. Set dip switch number 6 to the ON position.
- 2. As the color wheel turns, press the lock button on the controller to stop it on a fixed color.
- 3. The speed of the color wheel is controlled manually with the dip switches.
- 4. On/Off button to turn on the light engine.
- 5. Use arrow buttons to adjust the brightest up or down at 8 levels of light brightness.

Manual Control for Twinkle Wheel:

- 1. Twinkle Wheel speed. Use the dip switches to select from 6 different speed levels. For the slowest speed dip switches 2 & 3 should be on and the other switches off.
- 2. Twinkle Wheel Off. Turn all the dip switches to off and the twinkle wheel will stop turning.

Remote Control Mode for Twinkle Wheel.

- 1. Set dip switch number 6 to the ON position.
- 2. As the twinkle wheel turns, press the lock button turn off the twinkle wheel and have solid stars.
- 3. The speed of the twinkle wheel is controlled manually via the dip switches.
- 4. On/Off button to turn on the light engine.
- 5. Use arrow buttons to adjust the brightest up or down at 8 levels of light brightness.